

# INTERNATIONAL SEARCH REPORT

Inte application No  
PCT/US2004/018992

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K1/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, BIOSIS, EMBASE, WPI-Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>FRANKEN K L M C ET AL: "Purification of His-Tagged Proteins by Immobilized Chelate Affinity Chromatography: The Benefits from the Use of Organic Solvent" PROTEIN EXPRESSION AND PURIFICATION, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 18, no. 1, February 2000 (2000-02), pages 95-99, XP004435586 ISSN: 1046-5928 cited in the application page 97, right-hand column, paragraph 3 - page 98, left-hand column, paragraph 3 ----- -/--</p>	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

16 December 2004

Date of mailing of the international search report

28.12.2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PETSCH DAGMAR ET AL: "Endotoxin removal from protein solutions"  JOURNAL OF BIOTECHNOLOGY,  vol. 76, no. 2-3,  21 January 2000 (2000-01-21), pages  97-119, XP002296265  ISSN: 0168-1656  cited in the application  page 103, left-hand column, paragraph 2 -  page 115, left-hand column, paragraph 2  abstract</p>	1-18
A	<p>-----</p> <p>BISCHOFF R ET AL: "PURIFICATION AND BIOCHEMICAL CHARACTERIZATION OF RECOMBINANT X1-ANTITRYPSIN VARIANTS EXPRESSED IN ESCHERICHIA COLI"  BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY.  EASTON, PA, US,  vol. 30, no. 14,  9 April 1991 (1991-04-09), pages  3464-3472, XP000179424  ISSN: 0006-2960  page 3465, left-hand column, last  paragraph - right-hand column, paragraph 3  page 3469, paragraph 2</p>	1-18
A	<p>-----</p> <p>US 4 248 862 A (ELLWOOD DEREK C ET AL)  3 February 1981 (1981-02-03)  the whole document</p>	1-18
A	<p>-----</p> <p>EP 0 407 037 A (MERCK &amp; CO INC)  9 January 1991 (1991-01-09)  the whole document</p>	1-18
A	<p>-----</p> <p>US 4 832 751 A (DOMELSMITH LINDA N ET AL)  23 May 1989 (1989-05-23)  the whole document</p>	1-18
A	<p>-----</p> <p>US 5 045 456 A (RIENSTRA MARK S ET AL)  3 September 1991 (1991-09-03)  the whole document</p>	1-18
A	<p>-----</p> <p>WO 99/63076 A (IMMUNE RESPONSE CORP INC)  9 December 1999 (1999-12-09)  the whole document</p> <p>-----</p>	1-18

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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